



# भारत का राजपत्र

## The Gazette of India

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No. 40] NEW DELHI, SATURDAY, OCTOBER 7, 1978 (ASVINA 15, 1900)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2 PART III—SECTION 2

पटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 7th October, 1978

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

31st August, 1978.

5/Cal/78. P. Chawla. A device for developing or improving female human figure.

56/Cal/78. Eastern Carbons. Improved beehive coke ovens.

7/Cal/78. Kumiai Chemical Industry Co., Ltd. Phenoxy-phenoxy crotonic acid derivatives and herbicidal composition.

58/Cal/78. Siemens Aktiengesellschaft. Improvements in or relating to the deposition of semiconductor material.

59/Cal/78. Siemens Aktiengesellschaft. Rotors for asynchronous electrical machines.

60/Cal/78. Development Consultants Private Limited. An apparatus for un-loading dusty materials.

1st September, 1978

61/Cal/78. Lilly Industries Limited. Fungicidal Combinations. (September 7, 1977).

62/Cal/78. Rheinmetall GMBH. Sub-calibre arrow-shaped missile having a drag-stabilising rear part.

1-277GI/78

963/Cal/78. Proizvodstvennoe Obiedinenie "Uralelektrotyazhmash" and Vsesojuzny Elektrotekhnicheskyy Institut Imeni V. I. Lenina. Driving mechanism for contractor of device for controlling the voltage of transformers on load.

964/Cal/78. Huttenes—Albertus, Chemische Werke GmbH. Process for producing casting molds and a composition of matter.

965/Cal/78. Huttenes—Albertus, Chemische Werke GmbH. A composition useful for producing casting molds.

966/Cal/78. Huttenes—Albertus, Chemische Werke GmbH. Composition for producing casting molds and cores.

967/Cal/78. The Lubrizol Corporation. Sulfurized composition.

2nd September, 1978.

968/Cal/78. "S.A. PRB". Safety device for fuses.

969/Cal/78. Shell Oil Company. Catalyst for hydrazene decomposition.

4th September, 1978.

970/Cal/78. Hoechst Aktiengesellschaft. Process for the padding and printing of textile material webs.

971/Cal/78. Personal Products Company. Soften cellulose sponge absorbent product.

972/Cal/78. The Lubrizol Corporation. Sulfurized compositions.

973/Cal/78. Arun Krishna Mitra. Hard candy anticorrosion and method of preparation. (November 17, 1977).

974/Cal/78. Indian Explosives Limited. Improvements in cap sensitive dry blasting explosive compositions

6th September, 1978.

975/Cal/78. Sri Sobhendra Narayan Sanyal. A portable device for measuring bulking of sand at construction sites.

976/Cal/78. A. K. Viljanmaa. Apparatus for hide stretching.

977/Cal/78. Societe DE Paris ET DU Rhone. Improvements in the control lever of the actuator of an electrical starter.

978/Cal/78. Weatherford/Lamb, Inc. Power tong apparatus.

#### APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

21st August, 1978.

615/Del/78. Mrs. Vatsala Govindaraj. Method of preparing meals.

616/Del/78. Societe DE Paris ET DU Rhone. Starter motor for an internal combustion engine.

617/Del/78. Gladys Davis Miller. Bearings.

618/Del/78. Societe D'Etudes DE Machines Thermiques S.E.M.T. Improvements in or relating to a method of and a device for removing oil vapors from the crank case of an internal combustion engine.

619/Del/78. Smith Kline & French Laboratories Limited. Process for preparing an arylpyridazinylhydrazine salt. (August 4, 1978).

22nd August, 1978.

620/Del/78. Council of Scientific and Industrial Research. Improvements in or relating to digital linearisation of output signals of non-linear transducers.

621/Del/78. Rohm and Haas Company. Ion exchange process for desalination.

622/Del/78. Automotive Products Limited. Hydraulic master cylinder. (September 7, 1977).

623/Del/78. Automotive Products Limited. Clutch release bearing assembly.

624/Del/78. Automotive Products Limited. Diaphragm spring clutches.

625/Del/78. The Director General, Cement Research Institute of India. Steel fibres.

626/Del/78. R. Singh. A regulating valve. [Addition to No. 468/Del/78].

23rd August, 1978.

627/Del/78. Telefonaktiebolaget L M Ericsson. Integrated switching and transmission network.

628/Del/78. Werkzeugmaschinenfabrik Overlikon-Buhrle AG. Three-pressure control valve for an indirectly acting compressed-air brake.

629/Del/78. Werkzeugmaschinenfabrik Overlikon-Buhrle AG. Three-pressure control valve for an indirectly acting compressed-air brake, comprising an intensifier valve.

24th August 1978.

630/Del/78. Asahi Denka Kogyo K. K. Cocoa butter substitute.

631/Del/78. Union Carbide Corporation. Method and apparatus for producing a post-mixed, stabilized scarfing preheating flame.

28th August, 1978.

632/Del/78. Produits Chimiques Ugine Kuhlmann. 2-(4-) amino-5-alkylthio-*pyrimidines* herbicides.

633/Del/78. Automotive Products Limited. Hydraulic master cylinder.

634/Del/78. Girling Limited. Improvements in spreader disc brakes for vehicles. (September 19, 1977)

635/Del/78. Smithkline Corporation. Pharmacological active compounds. (September 14, 1977).

29th August, 1978.

636/Del/78. Morgardshammar Aktiebolag. A bolster-type shearing machine.

637/Del/78. Budapesti Radiotechnikai Gyar. Method of producing multi-channel magnetic recording and or playback heads with improved crosstalk attenuation.

638/Del/78. Union Carbide Corporation. Prepurification toluene dealkylation effluent gas.

639/Del/78. Automotive Products Limited. Hydraulic master cylinder.

#### APPLICATION FOR PATENTS FILED AT THE (MADR. BRANCH)

14th August, 1978.

124/Mas/78. Coimbatore Subramaniam Meenakshi Sundara and K. S. Ram. A reciprocating drive system.

125/Mas/78. Coimbatore Subramaniam Meenakshi Sundara and K. S. Ram. A pump.

126/Mas/78. P. D. Joseph. Automatic condom strip packing machine.

16th August, 1978.

127/Mas/78. Coimbatore Subramaniam Meenakshi Sundara and K. S. Ram. A pump.

128/Mas/78. IDL Chemicals Limited. A powder explosive.

17th August, 1978.

129/Mas/78. S. P. Venkatasubbiah. Automatic measure liquid dispenser.

130/Mas/78. S. Gopalakrishna Iyer. Details and modifications in a new design spinning wheel.

18th August, 1978.

131/Mas/78. C. P. Muhammad. Improvements in or relating to manually operated pump.

19th August, 1978.

132/Mas/78. Indian Institute of Technology. A vector cardiographic system.

133/Mas/78. S. Gopalakrishna Iyer. New design kerosene stove.

21st August, 1978.

134/Mas/78. M/s. Haichem Limited. Improvements in or relating to explosive composition as Hydrazine and aluminium explosive composition.

135/Mas/78. M/s. Haichem Limited. Improvements in or relating to explosive composition as explosive composition and method.

136/Mas/78. M/s. Haichem Limited. Improvements in or relating to explosive composition as field sensitized devices and sensitizing method.

137/Mas/78. M/s. Haichem Limited. Improvements in or relating to explosive composition as hydrazine containing explosive composition.

138/Mas/78. M/s. Haichem Limited. Improvements in or relating to explosive composition as field sensitized explosive package.

23rd August, 1978.

79/Mas/78. G. P. Pandit. Sursen.

24th August, 1978.

70/Mas/78. Polymers and Resins Private Limited. Ion-exchange resin.

28th August, 1978.

121/Mas/78. Dr. N. Subramoney and Ramanathan. Process for the preparing a wide spectrum fungicide.

29th August, 1978.

142/1 V. Srinivasan. Multipurpose farm implement.

30th August, 1978.

43/Ma Raju. National king automatic emergency

31st August, 1978.

44/Mas/78. Tamilnadu Chromates and Chemicals Limited. Manufacture of self basifying basic chromium sulphate-tamikkrome-1.

45/Mas/78. K. S. Ayyar. Multi-pressure cooker.

1st September, 1978.

46/Mas/78. R. G. Chaudhari. Improvements in or relating to a lockable hub cap system for automobile wheels.

#### ALTERATION OF DATE

45412.

007/Cal/77. : Ante-dated to May 20, 1975.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the application concerned may at any time within four months of the date of his issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India, Book Depot 8, Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (Postage extra is sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office Calcutta on payment of the prescribed copying charges which may be ascertained on application to that Office.

CLASS 42A<sub>1</sub> & 129G. 145400.

Int. Cl.-B26d 1/12.

DEVICE MADE HAVING AUTO CLEAN AND LUBRICATION FOR CUTTING A ROLL OF FOIL INTO LENGTHS.

Applicant : G. D. SOCIETA PER AZIONI, OF VIA POMPONIA, 10, BOLOGNA, ITALY.

Inventor : ENZO SERAGNOLI.

Application No. 392/Cal/77 filed March 17, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Device for cutting a roll of foil into lengths in a packet cigarette packer comprising one or more couples of continuous feed wheels for the said roll along and between fixed guides and a couple of cutting blades counter positioned on the down side of the said feed wheels of which at least one possesses continuous rotary movement round an axis parallel to the same feed wheels, featuring the inclusion of a pad of absorbent material in cylindrical form supported freely turning round its own axis placed parallel to the axis of rotation of the said turning blade in position such that during its rotating movement the said turning blade comes into contact with the cylindrical pad of absorbent material pre-soaked in vaseline oil.

CLASS 42A<sub>1</sub>.

145401.

Int. Cl.-B65d 75/00.

DEVICE TO CHECK AND DISCARD LENGTHS OF WRAPPING MATERIAL (FOIL) IN VERY HIGH SPEED PACKET CIGARETTE PACKERS.

Applicant : G. D. SOCIETA PER AZIONI, OF VIA POMPONIA, 10 BOLOGNA, ITALY.

Inventor : ENZO SERAGNOLI.

Application No. 393/Cal/77 filed March 17, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Device to check and discard lengths of wrapping material (foil) in very high speed packet cigarette packers, comprising a conveyor with compartments having intermittent movement to feed bundles of cigarettes from their bundling zone to a final position previous to their transfer to a first wrap station, controls placed along the said conveyor to check for missing or faulty bundles, means of expulsion placed along the same conveyor on the down side of the said controls and commanded by them for feeding faulty bundles, a feed line for the lengths or wrapping material to a stay position along a vertical plane comprised between the said final position of the bundle of cigarettes and the said first wrap station and comprising a stop and check in respect of the bundle of cigarettes for the single lengths along the said vertical plane, and means to transfer the single bundles of cigarettes together with a length of wrapping material from the said final position to the said first wrap station which device features at least one turning wheel in continuous motion on a horizontal axis and parallel to the said vertical feed plane tangential to it on the top side of the said stop and check, idlers placed in respect of the said feed plane on the opposite side of the said turning wheel in continuous motion, mounted on an axis parallel to the axis of the said wheel up to and away from it, a means of command by electro-magnetic action for the said controls, mechanical links for the idlers and the stop check with the said means of command, so as to switch in respect of the said vertical feed plane the position of the said stop check and respectively on idlers distancing the first from the said feed plane and bringing the second into contact with the said turning wheel in continuous motion for the removal on the part of the aforesaid controls of a bundle which is missing or faulty.

CLASS 50B.

145402.

Int. Cl.-F24f 1/00, 11/02.

AN ARRANGEMENT FOR MOUNTING A DAMPER DOOR OPERATING LEVER FOR A ROOM AIR CONDITIONER IN A SHEET METAL WALL OF AN AIR CONDITIONER.

**Applicant :** CARRIER CORPORATION, AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

**Inventors :** THEODORE S. BOLTON AND BURTON F. HAMMONS.

Application No. 1257/Cal/75 filed June 25, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

An arrangement for mounting a damper door operating lever for a room air conditioner in a sheet metal wall of an air conditioner comprising a thin wall, said wall including an orifice having a wide portion connected to a narrow slot; and a member mountable in said wall for rotation relative to said wall, said member including a shaft, and first and second collars on said shaft, said collars having opposing faces spaced to receive portions of said wall therebetween, one of said collars being resilient and bowed towards the other collar to reduce the distance between the opposed faces of said collars to an amount less than the thickness of said wall, and said arrangement further including a projection to lock said member in place when the portion of said shaft between said collars is engaged with the end edge of said narrow slot.

CLASS 37A. 145403.

Int. Cl.-B04d 1/16, B01d 21/06.

**A METHOD OF FEEDING MATERIAL FOR CENTRIFUGATION TO A CONTINUOUSLY OPERATING CENTRIFUGE, AND A CENTRIFUGE FOR PERFORMING THE METHOD.**

**Applicant :** STORK-WERKSPOR SUGAR B.V., OF POSTBUS 147, HENGEL, THE NETHERLANDS.

**Inventor :** DIRK HOKS.

Application No. 1333/Cal/76 filed July 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims.

A method of feeding material for centrifugation to a continuously operating centrifuge having a conical drum, characterised in that the stream of material for centrifugation to be fed to the drum is divided up into  $n$  sub-flows and the  $n$  sub-flows are fed to  $n$  axially consecutive annular sections of the drum surface, the sizes of the sub-flows fed to the annular sections per unit of length in the axial direction being in the same ratio as the squares of the average diameters of said annular sections.

CLASS 129G. 145404.

Int. Cl.-B23c 3/14.

#### MANUFACTURE OF METAL STRIP.

**Applicant :** BRITISH STEEL CORPORATION, OF 33 GROSVENOR PLACE, LONDON, S.W.1., ENGLAND.

**Inventors :** DAVID PATRICK HAGUE, DALIP TARACHAND MALKANI, ANDREW MIDDLEMISS AND STUART SCHOLEY.

Application No. 2084/Cal/76 filed November 22, 1976.

Convention date November 28, 1975/(49056/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

Apparatus for manufacturing metal strip from a cylindrical metal workpiece including means for rotating the workpiece about its longitudinal axis, a cutting tool together with

means for feeding said cutting tool continuously into the peripheral surface of the workpiece so as to produce a continuous metal strip peeled from the surface of the workpiece, coiler means for collecting the peeled strip and clamp means connected by a flexible linkage to the coiler means, said clamp means being adapted to grip the leading portion of the strip peeled from the workpiece and to pull the strip around the coiler means.

CLASS 129G. 145405.

Int. Cl.-B23c 3/04.

**METHOD OF MANUFACTURE OF METAL STRIP AND AN APPARATUS FOR CARRYING OUT THE SAME.**

**Applicant :** BRITISH STEEL CORPORATION, OF 33 GROSVENOR PLACE, LONDON S.W.1, ENGLAND.

**Inventors :** DAVID PATRICK HAGUE, DALIP TARACHAND MALKANI, ANDREW MIDDLEMISS AND STUART SCHOLEY.

Application No. 2085/Cal/76 filed November 22, 1976.

Convention date November 28, 1975/(49057/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims.

A method of manufacturing metal strip from a cylindrical workpiece whose longitudinal axis is greater than the desired strip width including rotating the cylindrical workpiece about its longitudinal axis, feeding a first cutting tool into the peripheral surface of the workpiece as it rotates so as to form a groove in the surface said groove being spaced from one end of the workpiece by a distance equal to the desired strip width, feeding a second cutting tool continuously into the peripheral surface of the workpiece between the said one end of the workpiece and the groove made by the first cutting tool so as to produce a continuous metal strip peeled from the surface of the workpiece of width equal to the distance between the said one end of the workpiece and the said groove, and collecting the peeled strip by winding it around a coiler.

CLASS 107-J. 145406.

Int. Cl.-F02m 17/00.

**MODIFICATION OF AIR SUCTION TUBE (VENTURI) OF CARBURETTOR FOR BETTER MIXING OF FUEL AND AIR IN PETROL ENGINES.**

**Applicant :** GANESH SINGH, INSPECTOR GENERAL OF POLICE RAJASTHAN, JAIPUR-302002, RAJASTHAN, INDIA.

**Inventors :** SHRI BIJOYA KRISHNA DUBE, DR. KESARI KUMAR SAKAR LAL SHAH, SHRI DARYAO SINGH MATHUR, SHRI MAHAVIR PRASAD JAIN, SHRI PRITAM SINGH CHADDA, SHRI TEJ SINGH.

Application No. 8/Del/76 filed October 18, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims.

An improved carburettor for petrol driven engine comprising at least one venturi in the air suction tube of the carburettor wherein the venturi is further provided with a plurality of spirally formed and symmetrically arranged rectangular grooves (trough shaped) on the inner surface of the said suction tube.

CLASS 95K. 145407.

Int. Cl.-B25b 23/00.

**A TOOL FOR TURNING SCREW HEADS, NUTS AND THE LIKE.**

*Applicant* : LACREX BREVETTI SA., OF VIA G. MOTTA, 6648 MINUSIO, SWITZERLAND.

*Inventor* : MAX PASSBRIG.

Application No. 703/Cal/76 filed April 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 16 Claims.

A tool for turning screw heads, nuts and the like comprising an elongated handle having a head at each end thereof, each head being provided with means to engage and turn a screw head, nut or the like at least one head being pivotally connected to the handle about an axis lying in the same plane of the head and the other head defining an open ended spanner head in three parts connected by a rack teeth arrangement two of the parts being adapted to be moved towards each other or away from each other.

CLASS 131B. 145408.

Int. Cl.-C21c 21/00, C21b 7/18.

#### IMPROVEMENTS IN THERMAL DRILLS.

*Applicant* : MESSERSCHMITT-BOLKOW-BLOHM GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF 8000 MUNCHEN, GERMAN FEDERAL REPUBLIC.

*Inventors* : WERNER BAUM AND GERMAN MUNDING.

Application No. 1937/Cal/76 filed October 26, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

A thermal drill wherein boring is effected by hot gases ensuing through a slit exhaust nozzle characterized in that the nozzle outlet is in the form of a slit.

CLASS 128K. 145409.

Int. Cl.-A61b 17/04, A61l 17/00.

#### ABSORBABLE SURGICAL SUTURE AND A PROCESS FOR PREPARING SAME.

*Applicant* : ETHICON, INC., AT SOMERVILLE, NEW JERSEY, U.S.A.

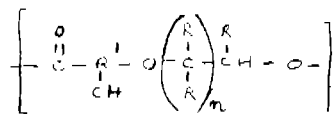
*Inventors* : NAMASSIVAYA DODDI, CHARLES VERSFELT AND DAVID WASSERMAN.

Application No. 2195/Cal/76 filed December 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 15 Claims.

An absorbable surgical suture prepared from oriented fiber of a polymer having units of the formula :



wherein R' and R are each hydrogen, ethyl, or ethyl, n is 1 or 2 provided that when n is 2 at least two R groups are hydrogen, and x is the degree of polymerization resulting in a fiber forming polymer and having a straight tensile strength of at least about 40,000 psi and a Young's modulus of less than about 6000,000 psi.

CLASS 14-C.

145410.

Int. Cl.-H01m 35/00, 37/00.

#### DEVICE FOR PIECE-BY-PIECE DELIVERY OF STORAGE-CELL ELECTRODES.

*Applicant & Inventors* : (1) IVAN ALEXANDROVICH KOLOSOV, ULITSA, ASTRAKHANSKAYA, 118, KV. 54, SARATOV, USSR. (2) JURY EGOROVICH IVANYATOV, ULITSA M. ZATONSKAYA 21, SARATOV, USSR. AND (3) MIKHAIL MIKHAILOVICH DYCHKIN, ULITSA LOMONOSOVA, 22, KV. 29, ENGELS SARATOVSKOI OBLASTI, USSR.

Application No. 317/Cal/77 filed March 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims.

A device for piece-by-piece delivery of storage-cell electrodes, wherein a stack of electrodes is disposed on a table; a manipulator is located close to said table, said manipulator being made as a swivel bar with a holder; a gripper of said manipulator is fixed at the end of said holder; the middle portion of said bar carries a double-arm lever with rollers, said lever being kinematically associated with the link of a step-by-step conveyer; said swivel bar being provided with a pushrod arranged coaxially therewith and adapted to lift said bar when moved up from an actuator and drop freely under own weight of said bar said link of a step-by-step conveyer having a right-angular recess, the outside working edge of which is shorter than an inside working edge thereof, thus making for said link to engage one of the rollers of said double-arm lever during swivelling of said bar.

CLASS 144E<sub>1</sub> & E<sub>2</sub>.

145411.

Int. Cl.-C09d 3/38, 5/08.

#### A CHEMICAL RESISTANT PAINT.

*Applicants & Inventors* : JAMNADAS KHIMCHAND SHAH, JAYVADAN JASHVANTILAL SHROFF & RAMESH BANSILAL CHOKSHI, OF 8, CAMAC STREET, CALCUTTA-700016, (WEST BENGAL), INDIA.

Application No. 690/Cal/77 filed May 10, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims. No drawing.

A chemical resistant paint comprising a chlorinated rubber as film forming material; a vehicle/solvent compatible with said film forming material or in which the latter is soluble, said vehicle/solvent being such as hereinbefore described and inorganic pigment which is also resistive to the corrosive action of the chemicals to which it is to be exposed, such as hereinbefore described, with or without usual adjuvants i.e. modifier/filler/re-inforcing agent/stabilizer/plasticizer, such as hereinbefore described.

CLASS 32A<sub>1</sub>.

145412.

Int. Cl.-C09b 35/36.

#### PROCESS OF PREPARING SOLUBLE TRISAZO DYE-STUFFS.

*Applicant* : CASSELLA FARBERWERKE MAINKUR AKTIENGESellschaft, OF 6 FRANKFURT (MAIN)-RECHENHEIM, WEST GERMANY, 526 HANAUER LANDSTR.

*Inventors* : WOLFGANG BAUER, ERWIN KRUSCHE, DIPL.-ENGINEER AND JOACHIM RIBKA.

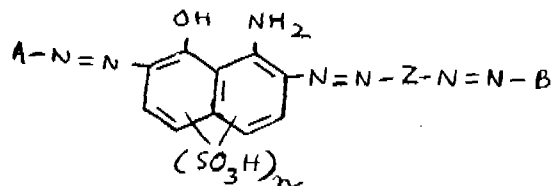
Application No. 1007/Cal/77 filed July 4, 1977.

Division of Application No. 1017/Cal/75 filed May 20, 1975.

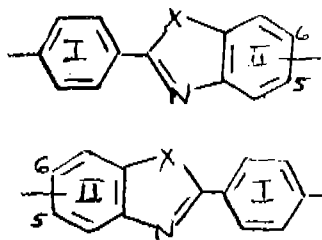
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

Process for the production of trisazo dyestuffs of the general formula I.



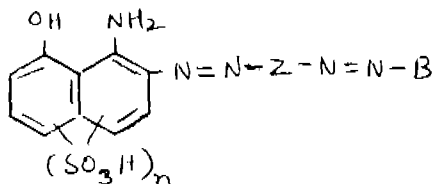
wherein Z denotes the radical of the formula shown in Fig. 1, or Fig. 2.



in which X = -N-, -S- or -O- R = H, alkyl having 1 to 4 carbon atoms, phenyl or benzyl; a denotes the radical of a diazo component; B denotes the radical of a coupling component; n denotes the number 1 or 2, and the nuclei I and/or II can carry further substituents and/or the sulpho groups, can also be present in the salt form, wherein a diazo component of the formula II,



is diazotised in known manner and coupled in an aqueous medium at temperatures from -10 to +30°C and at a pH of 4 to 12 with a diazo dyestuff which, in the form of free acid, has the formula III.



wherein X, R, A, B, n and Z have the meanings as stated above.

## CLASS 14A.

145413.

Int. Cl.-H01m 43/04.

PRESSED NICKEL ELECTRODES AND A METHOD OF MAKING THE SAME.

*Applicant:* YARDNEY ELECTRIC CORPORATION, OF 82 MECHANIC STREET, PAWCATUCK, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventors:* RONALD GEORGE GUNTHER, (2) HARVEY NORMAL SEIGER, (3) JOHN MERLYN BILHORN.

Application No. 1255/Cal/77 filed August 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A pressed nickel electrode comprising; a current collector; and a substantially homogeneous admixture comprising; an active nickel compound, such as nickel hydroxide or bertholite NiO<sub>x</sub> where x is not an integer an electrically conductive diluent, such as nickel or graphite powder, and an elastomeric binder which is characterized in that said elastomeric binder is butyl rubber or halogenated butyl rubber, said binder being present in an amount between about 1% by weight and about 5% by weight of the weight of said admixture, said admixture being pressed into said current collector to form a cohesive electrode.

## CLASS 32E.

145414.

Int. Cl.-C08f 15/40.

A PROCESS FOR THE PREPARATION OF PROPYLENE-TEROPOLYMERS.

*Applicant:* HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventor:* HELMUT STRAMETZ AND KURT RUST.

Application No. 1273/Cal/77 filed August 17, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims.

A process for the preparation of the propylene teropolymer by common polymerization of propylene, ethylene and butene-(1) in the presence of a mixed catalyst consisting of TiCl<sub>3</sub> compounds such as herein described and an activator such as herein described wherein the weight ratio between ethylene and butene-(1) is smaller than 1.

## CLASS 32-C.

145415.

Int. Cl.-C07g 17/00.

ACID AGENT AND PROCESS FOR PRODUCING THE SAME.

*Applicant:* VSESOJUZYNY NAUCHNO-ISSLEDOVATELSKY INSTITUT SINTETICHESKIKH SMOL, ULITS AFRUNZE 77, VLADIMIR, USSR.

*Inventors:* VASILY DMITRIEVICH VALGIN, (2) ALEXANDR MAXIMOVICH VASILENKO, (3) DMITRY VASILIEVICH VALGIN & LJUDMILA ARTEMOVNA ISTRATOVA.

Application No. 1347/Cal/77 filed August 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims. No drawings.

A continuous process for producing an acid agent comprising concurrently reacting:

(a) one mole of a phenol such as phenol proper or derivatives thereof, and 0.3-2.0 moles of an aldehyde such as formaldehyde, and

(b) 0.03-100.0 moles of an aryl sulphonic acid such as herein described, having an acid number from 10 to 300 mg. KOH/h with maximum water content 35% by weight in a flow reactor during 0.1-10 minutes at 50-150°C.

## CLASS 108-C.

145416.

Int. Cl.-C21c 7/00.

A METHOD FOR DESULFURIZING AND INOCULATING MOISTEN, NON IRON WITH MAGNESIUM.

*Applicant:* AIKOH CO. Ltd., OF NO. 1-39, 2-CHOME, IKENOHATA, TAITO-KU, TOKYO, JAPAN.

Inventor : HIROSHI YOSHIDA.

CLASS 90F.

145418.

Application No. 1747/Cal/76 filed September 22, 1976.

Int. Cl.-C03b 37/00.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

CONTROL SYSTEM FOR CONTROLLING THE DRAWING OF GLASS FIBRES IN THE EVENT OF FIBER BREAKOUT.

4 Claims.

A method for desulfurizing and inoculating molten iron with magnesium characterized by inserting into molten iron, a moulding in which magnesium is present in the form of particle, powder, or piece, having particle size of approximately less than 5 mm and one or more of additive components selected from the group of magnesia, zirconia, titania, graphite coke, charcoal, clay, bentonite, resins, glue, cellulosic type binder, carbohydrate type binder and water-soluble silicic acid binder in 25 to 85% by weight over the whole weight of the moulding and water of less 1% by weight, softening temperature of the moulding is in the range from 1000 to 1450°C, and the porosity is between 20 and 50%.

Applicant : KAISER GLASS FIBER CORPORATION, INCORPORATED IN THE STATE OF NEVADA, UNITED STATES OF AMERICA, OF 300 LAKESIDE DRIVE, LAKELAND, CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : CHARLES HALEY COGGIN, JR. STANLEY HAROLD SHEPHERE AND JOHN LEWIS JONES, JR.

Application No. 1329/Cal/76 filed July 26, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

CLASS 31-C.

145417.

Int. Cl.-H01c 7/12; 15/04.

A METHOD OF PRODUCING HOMOGENEOUS SINTERED, ZnO NON-LINEAR RESISTORS, SINTERED RESISTOR BODY OBTAINED THEREBY AND A LIGHTNING ARRESTER CONTAINING THE SAME.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : TAPAN KUMAR GUPTA & WILLIAM DOYLE STRAUB.

Application No. 1922/Cal/76 filed October 23, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A method of making a homogeneous, sintered, resistor body, having a substantially uniform density, which can exhibit non-linear V-I characteristics which comprises the steps of :

(A) mixing :

(1) 75 mole % to 98 mole % of small, finely divided, ZnO and 2 mole % to 25 mole % of the small finely divided, additive compound such as herein described effective to produce non-linear electrical characteristics within the body, forming a solid particle composition, with

(2) an aqueous binder solution comprising an organic, water soluble binder such as polyvinyl alcohol that will decompose at temperatures of between 150°C to 600°C wherein the weight ratio of solid particles; binder is between 100 : 1 to 100 : 10, to provide a mixed particle binder slurry,

(B) simultaneously drying, mixing and agglomerating the slurry to form a mass of larger spherical particles, said particles containing binder, ZnO and additive compound such as herein described distributed therethrough,

(C) pressing a mass of the agglomerated particles in a uni-axial press to provide a body having a substantially uniform density, and then

(D) heating the pressed body;

(1) first at a temperature rate increase effective to slowly decompose and remove the binder, and then,

(2) between 635°C to 1,400°C, for a time effective to sinter together the particles of the pressed body thereby forming a homogenous sintered body having a substantially uniform density, exhibiting non-linear V-I Characteristics.

CLASS 32E & 136E.

145419.

Int. Cl. C08f 27/06; C08g 33/20; C08j 1/34.

PROCESS FOR PREPARATION OF SULPHUR-CONTAINING POLYMERS FOR MEMBRANES.

Applicant : RHONE-POULENC INDUSTRIES, OF 22, AVENUE MONTAIGNE, 75 PARIS 8EME, FRANCE.

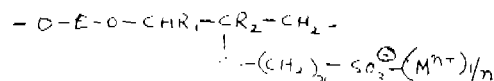
Inventor : JEAN PIERRE QUENTIN.

Application No. 1798/Cal/76 filed September 28, 1976.

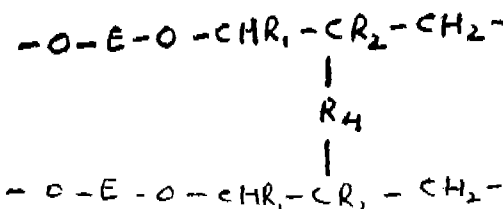
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims.

Process for the preparation of a polymer with ion exchange properties, characterised by the presence of units of the formula I.



and optionally units of the formula IV.



in which :

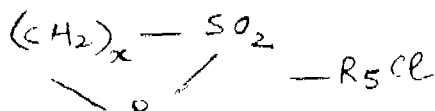
each of R<sub>1</sub> and R<sub>2</sub>, which may be identical or different, represents a hydrogen atom or a methyl radical,

E represents a divalent radical consisting of the nucleus of a polynuclear diphenol of formula  $\text{HO} \cdot \text{E} \cdot \text{OH}$  in which the hydroxyl groups are attached to different nuclei,

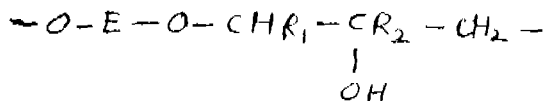
$\text{R}_1$  represents  $-\text{O}-$ , or  $-\text{O}-\text{R}-\text{O}-$ ,  $\text{R}$  being an organic radical of valency at least 2,

X and n are positive integers and

$\text{M}^{n+}$  represents a cation of valency n, which process comprises reacting, as alkyl-sulphonating agents a sulfone of the formula VIII.



x being an integer of at least 2 or a halogenoalkyl sulphonic acid salt, the halogenoalkyl sulphonic acid having the formula  $\text{X}-(\text{CH}_2)_x-\text{SO}_3\text{H}$ , X being a halogen atom and x being an integer of at least 2, with a polymer comprising units of the formula II.



and optionally crosslinking as herein defined, the resulting polymer to form units of formula IV.

CLASS 32F<sub>3a</sub>.

145420.

Int. Cl.-C07c 43/18.

A PROCESS FOR PREPARING POLYGALACTOMANNAN ALLYL ETHER COMPOSITIONS.

*Applicant*: CELANESE CORPORATION, AT 1211 AVENUE OF THE AMERICAS, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

*Inventors*: RONALD NICHOLAS DEMARTINO AND ANTHONY B. CONCIATORI.

Application No. 2140/Cal/76 December 1, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

A process for preparing allyl ether of polygalactomannan gums which comprises contacting solid polygalactomannan gum with allyl halide and a stoichiometric excess of alkali metal hydroxide or ammonium hydroxide in a reaction medium comprising an aqueous solution of water-miscible solvent, at a temperature between 10°C and 100°C for a reaction period sufficient as herein before defined to achieve a degree of substitution by allyl ether groups between 0.01 and 3.0.

CLASS 32-C.

145421.

Int. Cl. C07f 9/02.

A METHOD FOR THE PRODUCTION OF CERTAIN FORMAMIDINE DITHIOPHOSPHATES AND PHOSPHONATES.

*Applicant*: STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06880, UNITED STATES OF AMERICA.

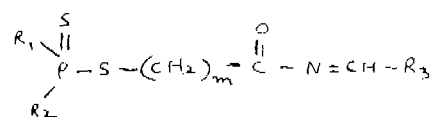
*Inventors*: HSIAO-JING LAM, & EUGENE GORDON TEACH.

Application No. 193/Cal/77 filed February 10, 1977.

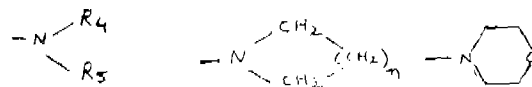
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

38 Claims.

A method for production of a compound having the formula shown in Fig. 1.

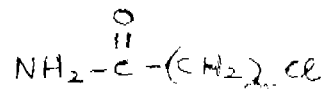


in which  $\text{R}_1$  is lower alkyl or lower alkoxy,  $\text{R}_2$  is lower alkoxy or methylthio-substituted lower alkoxy,  $\text{R}_3$  is a group of structures shown in Figs. 2, 3 or 4.



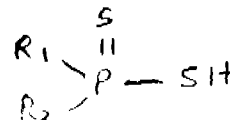
$\text{R}_4$  and  $\text{R}_5$  are lower alkyl m is 1 or 2 and n is 0 or an integer from 1 to 4 comprising:

- reacting an amine having the formula  $\text{R}_4\text{H}$  with an acetal of a formamide to form an N-formyl acetal;
- reacting the N-formyl acetal with a chloralkylamide having the formula shown in Fig. 10.



produce a formamidine; and

- reacting the formamidine with a compound having the formula shown in Fig. 11.



CLASS 56B.

145422.

Int. Cl.-C10g 9/00, 35/00.

HYDROCARBON CRACKING OR REFORMING PLANT AND A PROCESS FOR CRACKING OR REFORMING HYDROCARBON FEEDSTOCK.

*Application*: COMPRIMO B.V., OF JAMES WATTS-TRAAT 79, AMSTERDAM, THE NETHERLANDS.

*Inventor*: JAN BERNARD FORTUIN.

Application No. 358/Cal/77 filed March 11, 1977.

Convention date March 15, 1976/(10321/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Thermal or catalytic hydrocarbon cracking or reforming plant having at least one cracking or reforming furnace fired by a high grade fuel and comprising: an oil gasification unit (3) for gasification of a heavy residual oil by partial oxidation with a limited quantity of oxygen; a gas purification unit (7, 9) for removal of  $\text{H}_2\text{S}$  from the resulting gas, optionally with conversion of the  $\text{H}_2\text{S}$  into sulphur; a gas turbine unit (15) for generation of electricity from the purified gas leaving the gas purification unit, necessary for energizing the units (3, 7, 9) as needed; a feed duct (10, 12) passing the purified gas from the gas purification unit (7) to the burners (2) of the cracking or reforming furnace (1), and a feed duct (10, 21) for passing the oxygen-rich exhaust gas from the gas turbine unit (15) to the air inlets of the burners (2) of the cracking or reforming furnace (1).



CLASS 32F<sub>1</sub> & F<sub>1b</sub>.

145423.

Int. Cl. C07d 57/00.

A PROCESS FOR THE PREPARATION OF NAPHTHYRIDINE DERIVATIVES.

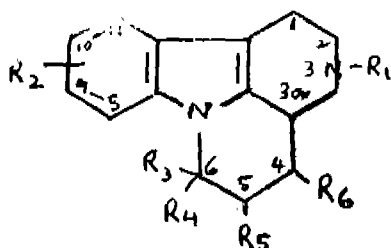
*Applicant*: SYNTHELABO, OF 1, AVENUE DE VILLARS-75007, PARIS, FRANCE.*Inventors*: GABOR ISTVAN KOLETAR, (2) HENRY NAJER, (3) JEAN-PIERRE GASTON LEFÈVRE, (4) REGIS DUPONT, (5) DON PIERRE RENE LUCIEN GIUDICELI & CLAUDE CONSTANT HENRI MOREL.

Application No. 409/Cal/77 filed March 21, 1977.

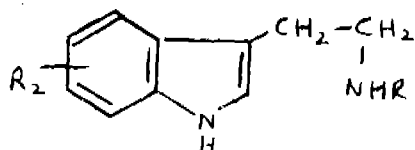
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A process for the preparation of Naphthyridine derivatives in the form of a racemates or optical isomers corresponding to the formula 1.



in which :  $R_1$  represents a hydrogen atom or a radical chosen from the group consisting of alkyl radicals with 1 to 4 carbon atoms, 2-oxo-propyl, 2-hydroxy-propyl, 3-oxo-butyl, 3-hydroxy-butyl, cyclopropylmethyl, benzyl, halogenobenzyl (preferably fluorobenzyl or chlorobenzyl), acetyl, cyclo-propylcarbonyl and benzoyl radicals, and  $-(CH_2)_n-R'$  radicals where  $n$  is 1 or 2 and  $R'$  represents a methoxycarbonyl, ethoxycarbonyl or cyano group,  $R_2$  represents a hydrogen atom, a halogen atom, the methyl radical or the methoxy radical,  $R_3$  represents a hydrogen atom or a COR<sub>7</sub> radical,  $R_4$  being a hydroxyl radical, an alkoxy radical with 1 to 4 carbon atoms, an amino, methylamino, dimethylamino or cyclopropylamino radical, and either  $R_5$  represents a methyl or ethyl radical,  $R_6$  represents a hydrogen atom or a hydroxyl radical and  $R_7$  represents a hydrogen atom, or  $R_3$  and  $R_4$  together represent an oxygen atom and  $R_5$  represents a hydrogen atom or  $R_5$  represents methyl or ethyl radical and  $R_6$  and  $R_7$  together represent an additional carbon-carbon bond, with the exception the compounds wherein  $R_3$  and  $R_4 = O$ , and either  $R_1 = H$ ,  $R_2 = CH_3O$  in the 10 position and  $R_3 = H$ , or  $R_1 = H$ ,  $R_2 = H$  and  $R_3 = H$ , the stereoisomers of the compounds for which  $R_6$  is an alkoxycarbonyl radical as well as the addition salts of the compounds 1 with pharmaceutically acceptable organic or inorganic acids, this process being characterised in that tryptamine or one of its derivatives of the formula III.



in which  $R$  is H, alkyl, cycloalkyl or optionally substituted benzyl, and  $R_2$  has the meaning given above, is condensed with carbonyl derivatives of diacids or their aliphatic diesters, such as glutaric acid having a ketone group in the  $\alpha$ -position or succinic acid having an aldehyde group in the  $\alpha$ -position, thereafter cyclisation is carried out, by a method such as herein described forming the indolo-[3, 2, 1] [1, 5] naphthyridine nucleus, and then, if appropriate, various known reactions are carried out which make it possible to introduce the desired substituents into this nucleus, or to modify the radical which already exist or to modify the degree of saturation of the molecule.

2-277G/78

CLASS 91 &amp; 190B.

145424.

Int. Cl.-F01d 19/00.

COMBINED EMERGENCY AND GOVERNOR VALVE FOR A TURBINE SYSTEM.

*Applicant*: BBC BROWN, BOVERI & COMPANY LIMITED, OF CH-5401 BADEN, SWITZERLAND.*Inventor*: ARTHUR OBERLE.

Application No. 718/Cal/76 filed April 26, 1976.

Appropriate office for opposition Proceedings (Rule Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A combined emergency valve and governor valve for a turbine system having independently controllable emergency and governor valve members disposed in a common casing, and valve seats for the respective valve members arranged directly adjacent and coaxially with respect to each other, the emergency valve member being constructed as a bell in the interior space of which the governor valve member may be coaxially received, and the valve members being provided with respective pilot valves, wherein the governor valve member has the shape of an onion and is rigidly connected to a spindle and a spool, the other end of the spindle being provided with the associated pilot valve, the latter communicating by way of a bore in the spindle with the interior space of the emergency valve member and wherein the spindle is inserted in a guide bush provided with a passage extending from a cylinder chamber of the spool to a point downstream from the governor valve.

CLASS 157D<sub>a</sub>.

145425.

Int. Cl.-E01b 29/00.

A TRACK RENEWAL TRAIN FOR REPLACING A TRACK IN SECTIONS.

*Applicant*: FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H., JOHANNESGASSE 3, VIENNA 1, AUSTRIA.*Inventors*: ING. JOSEF THEURER AND MANFRED BRUNNINGER.

Application No. 992/Cal/76 filed June 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A track renewal train for replacing a track consisting of old sleepers and rails with track consisting of new sleepers and rails resting on ballast bed, comprising a plurality of wagons including a last wagon movable in working direction over old track, new rails and sleepers being stored on front wagon, a bridge-like pickup (1) coupled to the last wagon and having at respective ends the re-of a rail-bound front undercarriage (2) and a rail-bound rear undercarriage (3), a off-track carriage (4) running on the ballast bed intermediate the rail-bound undercarriage (3, 2) the bridge-like pickup (1) being supported with front undercarriage (2) on the old track and with the off-track carriage (4) on the ballast bed, means (8) on the bridge-like pickup between the undercarriages (2, 3) for lifting a section of old track off the ballast bed, means (9) for transporting the lifted track section in the working direction from the bridge-like pickup to a selected wagon, an endless conveyor means (10) mounted on the bridge-like pickup above the track section transporting means (9) for conveying a succession of stored new sleepers against the working direction, the endless conveyor means (10) having a front end projecting forwardly over the last wagon (13) and a rear end extending to a region (15) between the off-track carriage (4) and a rear undercarriage (3), means (14) mounted in the said region (15) on the bridge-like pickup (1) for lowering the conveyed new sleepers successively onto the ballast bed in selected spacing and means (17) for planning the ballast bed before the new sleepers as laid.

## CLASS 123.

145426.

12 Claims.

Int. Cl.-A01n 5/00.

## COMPOSITION FOR INCREASING YIELDS OF PULSE.

*Applicant*: KAO SOAP CO., LTD., OF NO. 1-1, KAYABA-CHO, NIHONBASHI, CHUO-KU, TOKYO, JAPAN.

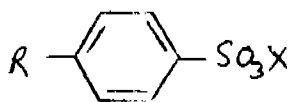
*Inventors*: TSUNEYUKI TAKENO, (2) SEIICHI MAEDA, & KAN MORI.

Application No. 1008/Cal/76 filed June 10, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

A composition for increasing yields of pulse comprising a mixture of alkylbenzenesulfonate represented by the formula 1.



the provisional specification wherein R is an alkyl group having 8 to 20 carbon atoms and X is an inorganic cation or a cation derived from an organic amine and a non-ionic surface active agent.

## CLASS 128A.

145427.

Int. Cl.-A61f 13/00.

## SURGICAL BANDAGE.

*Applicant*: E. R. SQUIBB & SONS, INC., LAWRENCEVILLE-PRINCETON ROAD, PRINCETON, NEW JERSEY, UNITED STATES OF AMERICA.

*Inventor*: JAMES LING CHEN.

Application No. 1121/Cal/76 filed June 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 19 Claims.

A bandage comprising a pressure sensitive adhesive layer, a layer of semi-open cell flexible polymeric foam attached to said adhesive layer, and a water-impervious flexible polymeric film attached to the opposite side of said foam layer wherein said adhesive layer comprises a rubbery elastomer having dispersed therein a water soluble or swellable hydrocolloid or mixture of hydrocolloids, tackifier, and plasticizer.

## CLASS 158D.

145428.

Int. Cl.-B61h 9/04.

## A LOCOMOTIVE BRAKE CONTROL APPARATUS.

*Applicant*: WESTINGHOUSE AIR BRAKE COMPANY, OF THREE GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

*Inventor*: ESMET WALLEY.

Application No. 1755/Cal/76 filed September 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

In a locomotive brake control apparatus, the combination of:

- a. a brake pipe extending from end to end of the locomotive and connected to a corresponding brake pipe extending through the cars in a train hauled by said locomotive,
- b. a multi-position brake valve device operable to vary the pressure in said brake pipe,
- c. a brake cylinder operable to effect a brake application and a subsequent brake release on the locomotive,
- d. a control valve device connected to and operable in response to variations of pressure in said brake pipe to control the supply of fluid under pressure to and the release of fluid under pressure to and the release of fluid under pressure from said brake cylinder,
- e. a fluid pressure operated locomotive power supply cut-off device, wherein the improvement comprises:
- f. a brake application valve device operable upon the release of fluid under pressure therefrom to effect the supply of fluid under pressure to said power supply cut-off device to cause operation thereof to cut off the supply of power to the locomotive,
- g. an electro-responsive valve means operable upon de-energization thereof to release fluid under pressure from said brake application valve device, and
- h. circuit means for controlling energization and de-energization of said electro-responsive valve means, said circuit means comprising:

(i) two parallel-arranged circuits,

(ii) a first fluid-pressure-operated switch device having a contact for effecting closing one of said two parallel-arranged circuits in response to an increase in the pressure in said brake pipe to a first chosen value, and opening said one circuit in response to a reduction of the pressure in said brake pipe to a second chosen value that is less than said first chosen value, and

(iii) a second fluid-pressure-operated switch device having a contact for effecting opening of the other of said two parallel-arranged circuits by a first pressure that is in excess of said first chosen pressure in response to movement of said multi-position brake valve device to one of its positions, and closing said other circuit by a second pressure that is less than said first chosen pressure but in excess of said first chosen value in response to movement of said multi-position brake valve device to another of its positions.

## CLASS 127-I &amp; 134B.

145429.

Int. Cl.-F16h 49/00.

## POWER TRANSMISSION UNIT.

*Applicant & Inventor*: RAYMOND EDWARD STARBUARD, OF 929 DREVER STREET, WEST SACRAMENTO, CALIFORNIA 95691, UNITED STATES OF AMERICA.

Application No. 2037/Cal/76 filed November 12, 1976.

Convention date October 1, 1976/(18329/76) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims. No. drawings.

A power transmission unit for translating reciprocating to rotary motion comprising a housing, a rack bar mounted for vertical sliding movement vertically through said housing, said rack bar having rack teeth formed on diametrically opposed sides thereof, means in said housing guiding said rack bar in its vertical reciprocation, a pair of parallel shafts journaled in said housing on opposite sides of said rack

bar, a gear secured to each of said shafts and meshing with the rack teeth on opposite sides of said rack bar, a one-way clutch mounted on each of said shafts, a spur gear mounted for rotation on each of said shafts, rotatably driven by one of said one-way clutches, a third shaft journaled in said housing and extending outwardly therefrom, a spur gear secured to said third shaft and meshing with the gears on said parallel shafts, a base supporting said housing, a gear train mounted on said last named shaft and said base, and means driven by said gear train providing a rotary power take-off.

CLASS 27L.

145430.

Int. Cl.-E02d 27/00.

#### REINFORCED CEMENT CONCRETE PRECAST SHELL FOOTINGS.

*Applicant & Inventor*: PRITIPAL SINGH SAWHNEY, POLYTECHNIC CAMPUS, NANDED-431602 (MAHARASHTRA STATE) INDIA.

Application No. 257/Bom/75 filed September 22, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 4 Claims.

Reinforced cement concrete precast shell footings having any shape such as conical, hyperbolic paraboloid, either in one unit or in parts, with an opening at the highest point in the case of hyperbolic paraboloid shells, filling the hollows in the body of the shell(s) with any granular material such as sand, murrum, coarse aggregate, fly ash or a combination thereof, including cement, if required; and joining the parts of the shell footing (when in parts), by in situ reinforced cement concrete and/or shotcrete.

CLASS 62C<sub>1</sub> & C<sub>2</sub> & 154H.

145431.

Int. Cl.-D06p 3/00.

#### PROCESS FOR THE PREPARATION OF ANIONIC DYESTUFFS IN THE FORM OF MINUTE DISCRETE AGGREGATES.

*Applicant*: THE SARANGPUR COTTON MANUFACTURING COMPANY LIMITED, OF AMRAIWADI ROAD, AHMEDABAD 8, GUJARAT, INDIA.

*Inventor*: ANANTHAKRISHNA SUBRAMANIAN.

Application No. 300/Bom/75 filed October 25, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 7 Claims. No drawings.

A process for the preparation of anionic dyestuffs in the form of minute discrete aggregates adapted to produce when printed or padded on textile materials multicoloured speckled effects in specific localised areas, which comprises reacting a finely divided powdered water-insoluble anionic dyestuff which has been dispersed in water or a conventional printing paste or padding liquor with a cationic neutralising agent such as herein described, the reaction being effected at a temperature in the range of from room temperature to 90°C.

CLASS 13A &amp; 99H.

145432.

Int. Cl.-B65b 61/18, B65d 55/06.

#### IMPROVEMENTS IN OR RELATING TO DISPOSABLE PILFER PROOF BAGS OR CONTAINERS.

*Applicant & Inventor*: GEORGE DEVADUTHA BUELL, C/O M. M. ANSAR, 204, ANGAPPA NAIEK STREET, MADRAS-600001, TAMILNADU, INDIA.

Application No. 42/Mas/77 filed February 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 3 Claims.

A disposable pilfer proof bag or container of flexible material like polythene, the mouths of which are stitched, welded, or otherwise sealed, characterised in that the sealed lips of at least one mouth surround a ripping or tearing means such as a cord, tag, thread or twine, with a length of the said means projecting, extending, or protruding at least on one side of the said mouth.

CLASS 13A &amp; 99H.

145433.

Int. Cl.-B65b 61/18, B65d 55/06.

#### IMPROVEMENTS IN OR RELATING TO DISPOSABLE PILFER PROOF BAGS OR CONTAINERS.

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Application No. 43/Mas/77 filed February 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 5 Claims.

A disposable pilfer-proof bag or container of a flexible material like polythene, the mouth of which is stitched, welded or otherwise sealed, characterised in that a means such as a piercing or tearing element is provided or disposed within the container.

#### CORRECTION OF CLERICAL ERRORS UNDER SECTION 78 (3)

##### (1)

The title in the application and specification of application for patent no. 140864 (earlier numbered as 2313/Cal/74) was made by Lynn Lawrence Augspurger, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 1st January, 1977 has been corrected to read as "A process for separation of spermatazoa to produce a fraction containing spermatazoa of predetermined sex character" under Section 78(3) of the Patents Act, 1970.

##### (2)

The title of the invention in the application and specification of application for patent No. 142207 (earlier numbered as 2157/Cal/76) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 11th June 1977 has been corrected to read as "Device for detecting flammable combustible gases and/or vapours and measuring the concentration thereof in the atmosphere" under Section 78(3) of the Patents Act, 1970.

##### (3)

The title in the application and specification and also the opening description of application for patent No. 142277 (earlier numbered as 771/Cal/75) was made by The Firestone Tire & Rubber Company the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 18th June 1977 has been corrected to read as "An annular fluid reservoir member and its use in a pneumatic tire and a rim assembly" under Section 78(3) of the Patents Act, 1970.

##### (4)

The title of the invention in the application and specification and also the opening description of specification of application for patent No. 142302 (earlier numbered as 2115/Cal/74) was made by Imperial Chemical Industries Limited, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of

India dated the 25th June, 1977 has been corrected to read as "Electrolytic Cells and its use in the manufacture of chlorine from brine" under Section 78(3) of the Patents Act, 1970.

(5)

The title in the application and specification of application for patent No. 142336 (earlier numbered as 722/Cal/76) made by Canadian Industries Limited, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 25th June 1977 has been corrected to read as "A process for the manufacture of a water bearing explosive composition and the explosive composition thus produced" under Section 78(3) of the Patents Act, 1970.

(6)

The title in the application and specification of application for patent No. 142469 (earlier numbered as 2370/Cal/74) was made by Cluett, Peabody & Co., Inc., the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 16th July, 1977 has been corrected to read as "A method and apparatus for the recovery of ammonia from a gas mixture", under Section 78(3) of the Patents Act, 1970.

(7)

Claim 3 of the application for patent No. 142626 (earlier numbered as 1745/Cal/74) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 6th August, 1977 has been corrected to read as "An abrasive compact according to claim 1 ....." under Section 78(3) of the Patents Act, 1970.

(8)

The title in the application and specification for patent No. 142789 (earlier numbered as 417/Cal/75) was made by Council of Scientific and Industrial Research of India, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 27th August, 1977 has been corrected to read as "A process for the preparation of rigid polyurethane foams from cashew nut shell liquid" under section 78(3) of the Patents Act, 1970.

(9)

The title of the invention in the application and specification of application for patent No. 142880 (earlier numbered as 2177/Cal/74) made by James Michael Hazar of United States of America, the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 3rd September 1977 has been corrected to read as "Prosthetic denture and a method of its manufacture" under Section 78(3) of the Patents Act, 1970.

(10)

The title in the application and specification and also the opening description of the specification of application for patent No. 142887 (earlier numbered as 189/Cal/76) was made by S.I.M.B. SOCIETA' INIZIATIVE MECCANICHE BRESCIANE S.p.A., the acceptance of the complete specification of which was notified in Part III Section 2 of the Gazette of India dated the 3rd September, 1977 has been corrected to read as "A method and a circular knitting machine for manufacturing stockings and like articles having a Jacquard pattern over fibred knitwork made of plain and furl stitches and stockings or like articles thus obtained" under Section 78(3) of the Patents Act, 1970.

(11)

The title of the invention in the application and specification of Patent No. 142966 (earlier numbered as 2001/Cal/74) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 17th September, 1977 has been corrected to read as "A process for the manufacture of hydraulic setting cement from rice husk or straw ash waste material and the hydraulic setting cement thus obtained" under Section 78(3) of the Patents Act, 1970.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta at two Rupees per copy :—

(1)

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## PATENTS SEALED

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## PATENTS DEEMED TO BE ENDORSED WITH

## THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.		Title of the invention
108961	(20.4.72)	Apparatus and method for washing capsules.
124877	(20.4.72)	Method of preparing benzothiophene-1, 1, dioxide derivatives.
128863	(20.4.72)	Process for producing benzodiazepine derivatives.
129317	(20.4.72)	Method for the preparation of 5-benzyl-pyrimidines.
131014	(20.4.72)	Process for recovering pure transomer of 2 - chloro-11-(3-piperazinyl-propylidene)-6H-dibenzo (b, c) oxepin.
131051	(20.4.72)	Process for the preparation of pantotheine-S-sulfonic acid derivatives and salts thereof.
134207	(20.4.72)	Process for preparing indole derivatives.
134791	(20.4.72)	Purification of kallikrein-trysin inhibitors.
134923	(20.4.72)	Process for the production of new unsymmetrical 1, 4-dihydro-pyridine dicarboxylic acid esters.
135348	(6.10.70)	An improved process for nickel and cobalt extraction from laterite and limonite nickel ferrous ores.
136064	(10.1.73)	Process for the manufacture of azo compounds.
136092	(27.12.72)	Multistage iron chloride oxidation process.
136093	(20.4.72)	Process for the preparation of 6-amino-penicillanic acid.
136094	(31.1.73)	Process for the preparation of 1-hydroxy-2-pyridones.
136095	(7.10.72)	Preparation of isopropylamino pyrimidine derivatives.
136100	(22.12.72)	A process for the production of morpholinethiothiazole.
136106	(20.4.72)	Process for the preparation of N-substituted-2-alkoxy-4-(amino or nitro)-5-halobenzamides and salts thereof.
136160	(30.9.72)	Gallium separation processes.
136168	(5.1.73)	Process for producing silver catalysts.

## RENEWAL FEES PAID

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## CESSATION OF PATENTS

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## RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 132800 dated the 23rd December, 1971 made by Ramji Dass Tikmany on the 21st December, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 18th February, 1978 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection except for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1977.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 146582. United India Trading Company, 8797, Gali No. 3, Multani Dhanda, Paharganj, New Delhi-110055, an Indian Partnership Firm. "Cycle frame lock". January 31, 1978.

Class 3. No. 146277. Prestige Mouldings & Components, C-87, Mayapuri Industrial Area, Delhi-110027, a partnership concern. "Tricycle". December 2, 1977.

S. VEDARAMAN  
 Controller-General of Patents, Designs  
 and Trade Marks.

